

AMALGAM PREPARATION

RATING/SCORE			EXTERNAL OUTLINE	INTERNAL FORM	CAVITY REFINEMENT	OPERATIVE ENVIRONMENT & PULPAL PROTECTION
P A S S	HIGHLY SATISFACTORY (ideal or minor errors)	5	Appropriate extension for convenience of preparation. Appropriately formed angle of departure and cavosurface angle. Minor deviations may be present.	Appropriate extension into dentin (for bulk and retention). Appropriate retention. Minor deviations may be present.	Enamel walls parallel rod direction. Walls and margins appropriately smooth and well defined. Free of debris. Minor deviations may be present.	No unnecessary trauma to soft tissue. Minor deviation may be present.
	SATISFACTORY (slight errors)	4	Slightly over or under extended outline. Slight lack of cavity definition. Angle of departure slightly over or under 90°.	Pulpal and/or axial walls slightly shallow or deeper than required for bulk and retention. Retention evident, but slightly incomplete or excessive.	Slight roughness on cavity walls or margins. Cavity lacks definition to slight degree. Slight debris present.	Slight lack of care of hard and/or soft tissue.
	MINIMALLY SATISFACTORY (moderate errors)	3	Moderate over or under extended outline. Moderate lack of cavity definition. Angle of departure moderately over or under 90°.	Pulpal and/or axial walls moderately shallow or deeper than required for bulk and retention. Retention moderately incomplete or excessive.	Moderate roughness of cavity walls or margins. Cavity lacks definition. Moderate debris present.	Lack of care of hard and/or soft tissue.
F A I L	UNSATISFACTORY (major errors)	2	Major over/under extensions of outline form. Point tooth contact of adjacent tooth. Angle of departure excessive or too acute. Failure to conserve tooth structure or extend for prevention.	Major unnecessary removal of tooth structure. Major excessive retention. Retention in enamel. Inadequate retention. Pulpal and/or axial walls excessively deep or shallow.	Rough cavity walls. Unsupported enamel walls. Margins extremely rough. Major debris on walls and/or in line angles.	Soft and/or hard tissue unnecessarily traumatized.
	VERY UNSATISFACTORY (critical errors)	1	Critical over/under extensions of outline form. Tooth contacts adjacent tooth. Angle of departure critically over/under 90°. Critical failure to conserve tooth structure or extend for prevention.	Critical unnecessary removal of tooth structure. Retention critically incomplete or excessive. Pulpal and/or axial walls critically deep or shallow.	Critically rough cavity walls. Critically unsupported enamel walls. Critically rough margins. Critical debris on external walls.	Critical soft and/or hard tissue trauma.
	GROSSLY UNSATISFACTORY (gross errors)	0	Gross over extension and/or gross under extension. Total lack of concept of operative dentistry.	Mechanical pulp exposure.	Grossly undermined. Cavity walls grossly rough and undefined. Gross divergence of walls.	Gross mutilation of hard and/or soft tissue.